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CONSTRUCTION VALUE ENGINEERING CONCEPT PROPOSAL  
MISSOURI DEPARTMENT OF TRANSPORTATION

VE # 08-01

Date 01/07/2008

Contract ID 070831-605

Job No. J6S2061

County St. Louis

Route JJ

Original Bid Cost \$894,775.00

Contractor Gerstner Electric Inc.

By John Gerstner

Designed By \_\_\_\_\_

Phone (636) 349-5999

1. Description of existing requirements and proposed change(s). Advantages/Disadvantages

The original construction plans show interconnecting traffic signals along Clayton Road using wireless bridges. We propose to connect the signals with fiber optic cables.

2. Estimate of reduction in construction costs. \$42,355.60

3. Prediction of any effects the proposed change(s) will have on other department costs, such as maintenance and operations.

Reduced maintenance cost and increased reliability of the system.

4. Anticipated date for submittal of detailed change(s) of items required by Section 104.6 of the Specifications.

01/07/2008

(date)

5. Deadline for issuing a change order to obtain maximum cost reduction, noting the effect of contract completion time or delivery schedule.

01/11/2008

(date)

Delay in procurment of materials and thus the completion of the project.

(effect)

6. Dates of any previous or concurrent submission of the same proposal.

N/A

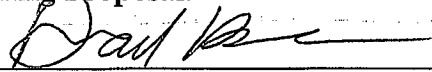
(date and/or dates)

Additional Comments:

**\*\* Portion Below This Line To Be Filled Out by MoDOT \*\***

**Comments:**

The Value Engineering proposal has been reviewed by Davar Divanbeigi, Project Manager and Gregory Owens, Traffic Engineer. They have both approved the VE proposal on the condition that Gerstner Electric provides us with revised seal and sign roadway plans and communication plans. **My recommendation is to approve this Value Engineering Proposal.**



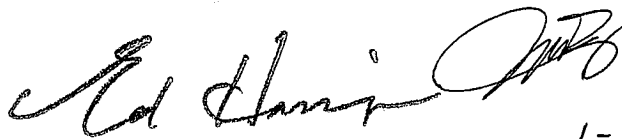
Submitted By Resident Engineer

9/9/08

Date

**Comments:** AS NOTED ABOVE.

- ☒ Approval  
Recommended
- ☐ Rejection  
Recommended



District Engineer

1-10-08

Date

**Comments:** As noted above.

- ☒ Approval
- ☐ Rejection

PT for Dave Whelan

State Operations Engineer

1/10/08

Date

Distribution: Resident Engineer, District Operations Engineer, State Operations Engineer  
\*Value Engineering Administrator - \*MoDOT, P.O. Box 270, Jefferson City, MO 65102

ITEM NO.	ITEM DESCRIPTION	Bid amount	VE#1 qty	Difference	Unit Cost	Savings
0100	CLASS 2, PULLBOX	13	33	20	\$1,681.00	\$33,620.00
0110	CLASS 5 PULLBOX	14	16	2	\$1,829.00	\$3,658.00
0120	INITIAL WIRELESS TESTING	1	0	-1	\$45,770.00	(\$45,770.00)
0130	RADIO LICENSING	1	0	-1	\$12,600.00	(\$12,600.00)
0150	WIRELESS ACCEPT TEST	1	0	-1	\$15,500.00	(\$15,500.00)
0180	ETHERNET BR. RADIO REP	9	1	-8	\$20,415.00	(\$163,320.00)
0190	EXTG POLE MTD BR ETH RAD	5	2	-3	\$3,920.00	(\$11,760.00)
0250	MAST MTD ETHERNET BR RAD	3	2	-1	\$5,330.00	(\$5,330.00)
0300	WALL MTD INTERCON CENTER	12	16	4	\$395.00	\$1,580.00
0330	2.00 HDPE BORED CONDUIT	1952	15876	13924	\$8.60	\$119,746.40
0340	24 FIBER OPTIC SM	16893	32593	15700	\$2.85	\$44,745.00
	INITIAL WIRELESS TESTING	0	1	1	\$4,900.00	\$4,900.00
	RADIO LICENSING	0	1	1	\$1,250.00	\$1,250.00
	WIRELESS ACCEPT TEST	0	1	1	\$2,425.00	\$2,425.00
						<u>(\$42,355.60)</u>

Commission Furnished Equip